

इंटरनेट

मानक

### Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6355 (1982): Keyway Milling Cutters [PGD 32: Cutting tools]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



BLANK PAGE



*Indian Standard*SPECIFICATION FOR  
KEYWAY MILLING CUTTERS( *First Revision* )

(Incorporating Amendment No. 1)

**1. Scope** -- Covers the dimensions, and requirements for keyway milling cutters, with plain bore and key drive, suitable for keyways conforming to IS : 2710-1975 'Parallel keys and keyways for machine tools ( *first revision* )' and keyways 4 mm onwards according to IS : 2048-1975 'Parallel keys and keyways ( *first revision* )'.

**2. Dimensions** — Shall be as given in Table 1.

**3. General Requirements**

**3.1** The cutters may be made with straight or helicoidal teeth at the discretion of the manufacturer. These cutters are supplied with staggered teeth, unless otherwise specified.

**3.2** Unless otherwise specified, the cutter shall be right-hand cutter.

**3.3** Dimensions for keyways shall be according to IS : 6285-1971 'Dimensions for interchangeability of milling cutters and milling arbors with key drive'.

**3.4** For requirements not covered in this standard, it shall conform to the requirements as given in IS : 1830-1982 'Technical supply conditions for milling cutters ( *second revision* )'.

**4. Sampling** — The sampling and criteria of acceptance shall be in accordance with IS : 7778-1975 'Methods for sampling small tools'.

**5. Designation** — A keyway milling cutter having diameter  $D = 100$  mm, width  $b = 16$  mm of tool-type N, for right-hand cutting, made from high speed steel and conforming to this standard shall be designated as:

Keyway Milling Cutter 100 × 16 IS : 6355

**5.1** When the keyway milling cutter is required with tool type H, the same shall be added immediately after the size.

*Example:*

A keyway milling cutter having diameter  $D = 100$  mm, width  $b = 16$  mm of tool-type H, for right-hand cutting, made from high speed steel and conforming to this standard shall be designated as:

Keyway Milling Cutter 100 × 16 H IS : 6355

**6. ISI Certification Marking** - Details available with the Indian Standards Institution

## EXPLANATORY NOTE

This standard was first published in 1971. This revision is necessitated to bring it in line with the work done at ISO level. In preparation of this standard considerable assistance has been derived from:

ISO 2585-1972 Slotting cutter with plain bore and key drive. Metric Series. International Organization for Standardization.

DIN 1890-1976 Nuter fraser geradeverzahnt hinterdreht (Slotting cutters, with straight teeth). Deutsches Institut fur Normung.

This edition 2.1 incorporates Amendment No. 1 (July 1989). Side bar indicates modification of the text as the result of incorporation of the amendment.

Adopted 27 July 1982

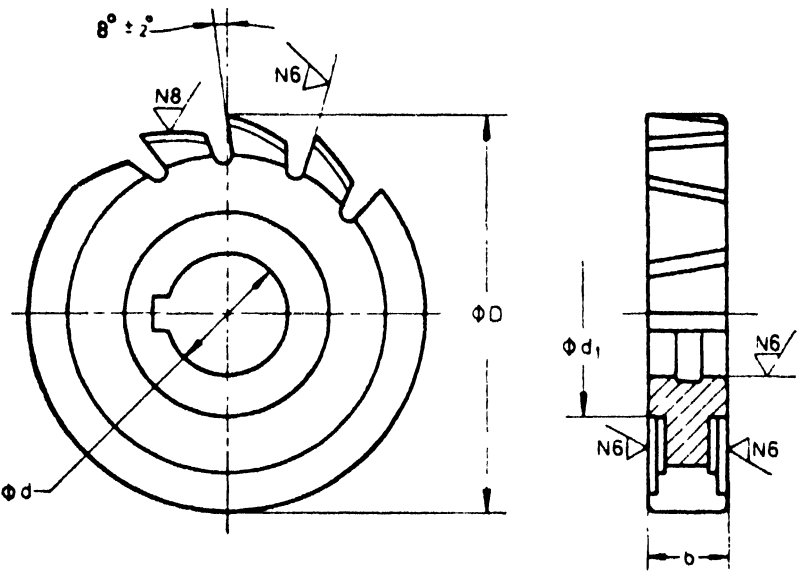
© BIS 2002

Price Group 1

BUREAU OF INDIAN STANDARDS

TABLE 1    DIMENSIONS FOR KEYWAY MILLING CUTTERS  
                  ( Clause 2 )

N9/ ( N8/ , N6/ )



All dimensions in millimetres.

D js16	d H7	d <sub>1</sub> Min	b d9	Tool Type	D js16	d H7	d <sub>1</sub> Min	b d9	Tool Type
50	16	27	4	N or H	125	32	47	8	N or H
			5					10	
			6					12	
			8					14	
			10					16	
63	22	34	4		160	40	55	18	
			5					20	
			6					22	
			8					25	
			10					28	
80	27	41	12		200	40	55	32	
			14					36	
			16					40	
			18						
			20						
100	32	47	22						
			25						

Note — Sharp corners should be removed.